

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of processing a *URL* (uniform resource location) request containing a URL for an intended URL document, comprising: retrieving fingerprint information relating to the URL request; identifying that the intended URL document is not the current document located at the URL; locating current fingerprint information which matches the retrieved fingerprint and has a corresponding URL document; and returning the corresponding URL document in answer to the request.
2. (Original) A method as in claim 1 wherein the above steps are controlled by a request forwarder component.
3. (Original) A method as in claim 1 or 2 wherein the retrieved fingerprint information is archive fingerprint information controlled by a resource location broker (RLB) or intended fingerprint information controlled by a link controller.
4. (Original) A method as in claim 1 or 2 wherein current fingerprint information is searched using the RLB component.
5. (Original) A method as in any of claims 1 to 4 wherein all URL requests to a web server of the present embodiment are received by a request forwarder.
6. (Original) A method as in any of claims 1 to 5, wherein where there is no URL document at the URL location, the URL request is automatically forwarded to a new URL using fingerprint information retrieved from an archive fingerprint database based on the URL.
7. (Currently Amended) A method as in claim ~~[[6]]~~ 1 wherein, ~~instead of archive fingerprint information responsive to no URL document being at the URL location, generating a fingerprint by automatically forwarding the URL request to a new URL using fingerprint information from a cache copy of the URL document, can be used to generate a fingerprint.~~

8. (Original) A method as in any of claims 1 to 5 wherein the retrieved fingerprint information is retrieved from an intended fingerprint database based on the link containing the URL.
9. (Currently Amended) A method as in any of claims 1 to 8 wherein the step of locating current fingerprint information ~~preferably~~ comprises: finding, on ~~[[the]]~~ a current fingerprint database, a current fingerprint that corresponds with the URL of the request.
10. (Original) A system of processing a URL (uniform resource location) request containing a URL for an intended URL document, comprising:
means for retrieving fingerprint information relating to the URL request;
means for identifying that the intended URL document is not the current document located at the URL;
means for locating current fingerprint information which matches the retrieved fingerprint and has a corresponding URL document; and returning the corresponding URL document in answer to the request.
11. (Original) A system as in claim 10 wherein the above means are controlled by a request forwarder component.
12. (Original) A system as in claim 10 or 11 wherein the retrieved fingerprint information is archive fingerprint information controlled by a resource location broker (RLB) or intended fingerprint information controlled by a link controller.
13. (Original) A system as in claim 10, 11 or 12 wherein current fingerprint information is searched using the RLB component.
14. (Original) A system as in any of claims 10 to 13 wherein all URL requests to a web server of the present embodiment are received by a request forwarder.
15. (Original) A system as in any of claims 10 to 14, wherein where there is no URL document at the URL location, means automatically forwards the URL request to a new URL using fingerprint information retrieved from an archive fingerprint database based on the URL.

16. (Currently Amended) A system as in claim 10 wherein, responsive to no URL document being at the URL location, means for generating generates a fingerprint by automatically forwarding the URL request to a new URL using fingerprint information from a cache copy of the URL document, ~~15 wherein instead of archive fingerprint information a cache copy of the URL document can be used to generate a fingerprint.~~

17. (Original) A system as in any of claims 10 to 14 wherein the retrieved fingerprint information is retrieved from an intended fingerprint database based on the link containing the URL.

18. (Currently Amended) A system as in any of claims 10 to 17 wherein the means for locating current fingerprint information ~~preferably~~ comprises: means for finding, on ~~[[the]]~~ a current fingerprint database, a current fingerprint that corresponds with the URL of the request.

19. (Currently Amended) A computer program product for processing one or more sets of data processing tasks relating to a ~~[[url]]~~ URL request containing a URL for an intended URL document, said computer program product comprising computer program instructions stored on a computer-readable storage medium, for, when loaded into a computer and executed, causing a computer to carry out the steps of: retrieving fingerprint information relating to the URL request; identifying that the intended URL document is not the current document located at the URL; locating current fingerprint information which matches the retrieved fingerprint and has a corresponding URL document; and returning the corresponding URL document in answer to the request.